
Rei- fig 19th

Any - 21th

Dento Mia July 16th 63 De Leo Engelmann, to downs hoat an haxing Specimens of Blankseana & Presinasa which I thut mill reach yau all right by expens, Will mite gan æfen notes anthuse and other as soon as & set time species months to me at Deento Wis and if Jan get this with the hax and let me know of the sterimens are such asyem desire and my zom ment more on ferver of them Hunss to Issistant U.S. Lake Survey

0 1 2 3 4 5 6 7 8 9 10 MISSOURI BOTANICAL GARDEN



Reviffing 12th The meatons Jenstown pungens Oconto Ang 7 7 1863 Larry Cones Dear Li, In answer to your greations I mayor say frist that not many comparatively of the comes do not after those which do not are mostly abartive seeds. When I frist came here the latter fart of June and even when Isent you that specimens in July not many of the cones suhieh ripened last fall had begunto afen now however it is difficult to find any which are not afen. Itw if any of the comes open the second fall but if picked in the fall they open and shed their seeds during the winter at least that was the case with some

the Share of Lake Huran. The comes one all persustent far many years if fact it is an exception to find a cone subieh has fallen aff and if the trees were as tall as PStrokers it would be difficult to get comes muthant cutting dawn the trees. It is quite persible that same of the canes may be frast-bitten but I have seen nothing to manant such a eanelession. I sent you the other day some specimens of a Spruce which appears to be Alies alle but funget to say that it grew in a then stratum af reddistr clay om limestone on entirel odifferent soil framthet





of this side of the Bay The principal timber in the nicenty was oak and ather decidenous thees with accasional trees of Orms. Strabus, P. resenasa, Ahies Canadensis & A. halsamea. You have noticed that the young comes of & Bunks. iana have peduncles about 14 in while dus the ripe cours appear to be clasely sessile and I have seen cone mhich mere half hursed in the substances of the word mhich shad heen grawing around them for several years, for one thee about 6/2 moches in chameter there are 31 rings of annual grawth in another about the some size 27.





Senclase some sterile flawers which were picked some days earlier than those I sent your and in which I think there is more and better fallen than in the Yans thuty E. P. Austin letter to Washing tour Harhan Daus 60 Mrs. BOTANICAL GA GEORGE ENGELMANN PAPERS MISSOURI BOTANICAL copyright reserved GARDEN

Mer Aug 16th Donto Aug 13 1863 De Engelmann, Dear Sin, Jams of the 9th including come of Dicea migra is at hand. The comes of the tree I abstained those specimens prom mere all penchelans. The sail is a redelish elag on liknestone ledges and the allud trees are oaks, buch, birch, and finns comferae in-Eliding Alico halsamea & Canaden sis, Rimo Strothus & resinosa. ætt this place those only seen a single shruh about 2 ft high which proves to be P. myra at least the branches are danker coloned but nut pubsicent, and the plant lacks the strong odor of alba. The foliage is entirely diff

0 1 2 3 4 5 6 7 8 9 10 cm copyright reserved

MISSOURI BOTANICAL GARDEN

I have seen logs of Pinus Straly from up the river nearly 4ft inplacementer and have heard of cutting 120 feet of lags and of a true which added to the top must make the true 150 ft ar mare I have neaver Leen trees aver 90-100 ft. boot have not been for enough uf the river, P. resinusa I do not recallect to have seen more thou 2-22 ft and it grown fram 50-90 feethigh. mith the trunk generally free from branches to mittin 20 to 30 feet of the top when the branches make a sent af head. I have see specimens of P. Banksiana in which the comes mere half buried in the swood of young vigorous trees and if I mere to re-





the same of a desight of collect spermens but they gaing to leave to day an 10 marian. Jan say the mole aments had nearly all fallen aff the specimens of Banksiana I sent your they must have heen jarred off by the canenssian an the railroads between here and It Lawis for new 3, and I think to of them are still an the trees excepting that the flawers are brawner from expanse there is very little differ ence in the traces from what they mere when I first came to this place ready two months ago. I enclose specimens in which

0 1 2 3 4 5 6 7 8 9 10

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the last years planers and in one those of two years ago are still adhering and anne can find flenty saich anall the trees. Jalso eveluse a financh of the Ricea found at this Direct to Washington Harhan Daar Bo Mis. James & P. Austra MISSOURI BOTANICAL GARDEN GEORGE ENGELMANN PAPERS

with Right



Aus June 22 Noutical Almanac Office
Washington April 6# 1867 Dear Sin, I suffase you have got all the specimens of all the pines which accur in these parts zan need. Do zan melet any Junci fram abaut here? Legan old and mill let me knaw what species your desire I will collect far your this summer. I have guite a lat af Junei fram Michigan and Mass. but they sure not very well preserved and unless there should be some rare farms among them I suppose they rounded most be of much seince to jour. In case there is anything else in this vicinity which you desire I will try to collect fun you as I shall have some



leisure time this summer and internet to allect about here pretty Teo Englemanna M.D. ? St Sours Mo MISSOURI BOTANICAL GARDEN GEORGE ENGELMANN PAPERS The state of the s

